Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_

HW 14: SLOPES of Parallel + Perpendicular Lines

**Geometry**

1. Write out your own definition of parallel and perpendicular lines. Provide an example of slopes that would be parallel and slopes that would be perpendicular.
2. Write the equation of a line that is parallel to the graph of and goes through the point (-8,4).
3. Write the equation of a line that is parallel to the graph of and goes through the point (1,2).
4. Write the equation of a line that is perpendicular to the graph of and goes through the point (-8,4).
5. Write the equation of a line that is perpendicular to the graph of and goes through the point (1,2).